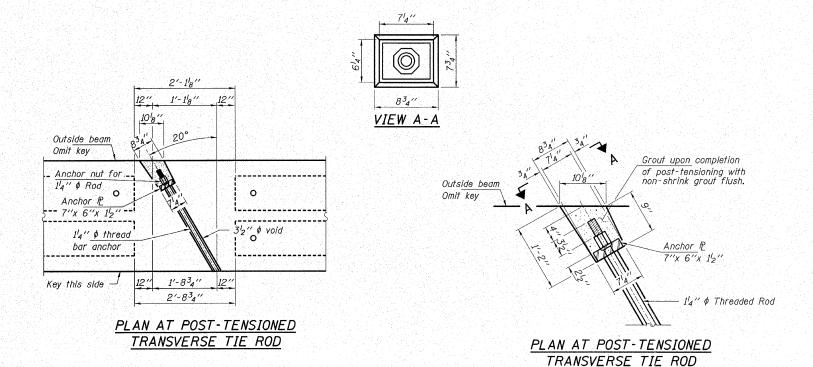
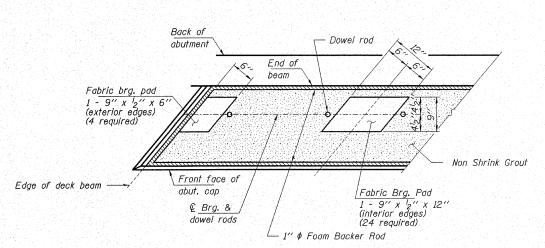
TOTAL FAU 99-02118 JACKSON 122 56 9713 -00-FP CONTRACT NO. 99219



14"x34" Sawed Joint with Elastic Jt. Filler (Full Width) ♦ Foam Backer Rod Non Shrink Grout " \$ x 2'-6" Dowel Rods post-tensioning is completed, drill 12"\$ holes in cap & arout dowel rods in place. SECTION AT ABUTMENTS



GROUTED BEARING SEAT AND BEARING PAD DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be '2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 7-wire stress relieved 2-2"0-270 ksi strands, as shown. Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-322 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two '8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

for each bearing.

Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

Required Release Strength, f'ci, shall be 4,000 p.s.i.

POST-TENSIONING NOTES

Threaded bar post-tensioning tie rods to be 14/4 diameter, ultimate stress 150 ksi (Ultimate Strength 187.5 k). Conforming to ASTM A722 Steel hot rolled and proof stressed. The bar deformations shall conform to the requirements of ASTM A615.

Anchor plates, couplers and nuts shall exceed the requirements of ACI 318 and AASHTO Standard Specifications for Highway Bridges, 2002, Section 9, Article 9.27 Post Tensioning

Anchorages and Couplers.

All threaded bars shall be stressed to not more than 40 kips (temporary) and not more than 120 kips at lockoff (transfer).

The Contractor must assure tie holes are free from obstructions as beams are set in place and before and after keyways are grouted.

The interior foam spacer/seal shall consist of a flexible, resilient material. The seal shall be

anchored to one side of a deck beam before the beams are set in place. The shape shall be circular inorder to seal the transverse openings from leakage of grout during keyway grouting. The Contractor may place a 1" to 2" depth of grout and allow to set up during keyway grouting. The remainder of the keyway height can then be filled with grout. The Contractor shall have the option of post-tensioning using a 7-wire strand system. The system shall conform to the specified loading and must be approved by the Engineer. End

anchor shall be detailed in shop drawings.

Voids around threaded bar to be grouted after post-tensioning is complete. See Special Provisions for grout and grouting pressures.

After beams are in place and

HAMPTON, LENZINI & RENWICK, INC.

3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 SPRINGFIELD

PROJECT NUMBER: 03-47-0001-i DATE: 02/05/07 DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.B.

SUPERSTRUCTURE DETAILS SECTION 99-02118-00-FP F.A.U. 9713 / EAST PLEASANT HILL ROAD JACKSON COUNTY STRUCTURE NO. 039-3254 / STATION 80+95